



# UN38.3 试验概要

## UN38.3 Test Summary



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| 单位信息 Company information           |                                                                                                                                                                                                                                                                                                                                                   |                                |                                                            |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------|
| 委托单位<br>Consignor                  | 欣旺达电子股份有限公司 SUNWODA Electronic Co.,Ltd.<br>深圳市宝安区石岩街道石龙社区颐和路 2 号综合楼 1 楼、2 楼 A-B 区、2 楼 D 区-9 楼 Floor 1,A,B,D District of Floor 2 and Floor 3 to 9 of Comprehensive Building, No.2 Yihe Road, Shilong Community, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, P.R. China<br>13823288548 xiangjing@sunwoda.com www.sunwoda.com |                                |                                                            |
| 生产单位<br>Manufacturer               | 浙江欣旺达电子有限公司 Zhejiang Sunwoda Electronic Co., Ltd.<br>浙江省金华市兰溪市兰江街道雁洲路 111 号-3 栋、4 栋 Building 3 and building 4, No.111 Yanzhou Rd., Lanjiang St.,Lanxi County, Jinhua City, Zhejiang Province P.R. China<br>13823288548 xiangjing@sunwoda.com www.sunwoda.com                                                                                      |                                |                                                            |
| 测试单位<br>Test lab                   | 深圳普瑞赛思检测技术有限公司 Shenzhen Precise Testing Technology Co.,Ltd<br>深圳市宝安区石岩街道上屋社区爱群路同富裕工业区 4-7#厂房一层-五层 Floor 1-5,Building 4-7,Tongfuyu Industrial Park,Aiqun Road,Shangwu Community,Shiyan Street,Baoan District,Shenzhen,Guangdong, P.R.China<br>0755-23406061 gongming@ptl-global.com www.ptl-global.com                                             |                                |                                                            |
| 电池信息 Battery information           |                                                                                                                                                                                                                                                                                                                                                   |                                |                                                            |
| 名称<br>Name                         | 锂离子电池组/二次锂电池组<br>Rechargeable Lithium ion Battery                                                                                                                                                                                                                                                                                                 | 品牌<br>Brand                    | /                                                          |
| 型号<br>Type                         | QF50                                                                                                                                                                                                                                                                                                                                              | 原始测试型号<br>Original tested type | /                                                          |
| 标称电压(V)<br>Nominal voltage         | 3.91                                                                                                                                                                                                                                                                                                                                              | 容量/能量<br>Capacity/energy       | 4850mAh 18.97Wh(Rated)<br>5000mAh 19.55Wh(Typical)         |
| 描述<br>Description                  | 可充电锂离子单电芯电池<br>Rechargeable Li-ion single cell battery                                                                                                                                                                                                                                                                                            | 锂含量(g)<br>Li content           | /                                                          |
| 质量(kg)<br>Mass                     | 0.0624                                                                                                                                                                                                                                                                                                                                            | 外观<br>Appearance               | 银色, 黄色双色铝塑外壳<br>Silvery and yellow aluminum-plastics shell |
| 测试信息 Test information              |                                                                                                                                                                                                                                                                                                                                                   |                                |                                                            |
| 原报告编号<br>Original test report No.  | S-23070359A0                                                                                                                                                                                                                                                                                                                                      | 测试报告日期<br>Date of test report  | 2023-08-01                                                 |
| 测试标准<br>Test standard              | 联合国《试验和标准手册》第 38.3 章 UNITED NATIONS Manual of Tests and Criteria 38.3 ST/SG/AC.10/11/Rev.7&Amend.1                                                                                                                                                                                                                                                |                                |                                                            |
| T.1 高度模拟<br>Altitude simulation    | 合格 Passed                                                                                                                                                                                                                                                                                                                                         | T.2 温度测试<br>Thermal test       | 合格 Passed                                                  |
| T.3 振动测试<br>Vibration              | 合格 Passed                                                                                                                                                                                                                                                                                                                                         | T.4 冲击测试<br>Shock              | 合格 Passed                                                  |
| T.5 外部短路<br>External short circuit | 合格 Passed                                                                                                                                                                                                                                                                                                                                         | T.6 挤压<br>Crush                | 合格 Passed                                                  |
| T.7 过度充电<br>Overcharge             | 合格 Passed                                                                                                                                                                                                                                                                                                                                         | T.8 强制放电<br>Forced discharge   | 合格 Passed                                                  |
| 38.3.3 (f)                         | /                                                                                                                                                                                                                                                                                                                                                 | 38.3.3 (g)                     | /                                                          |



